

Date of Application, 23rd May, 1888
Specification Accepted, 6th July, 1888

A.D. 1888, 23rd MAY. N° 7602.

COMPLETE SPECIFICATION.

Improved Apparatus for Disinfecting Water-closets, Lavatories,
and other similar Conveniences.

We, WILLIAM LEADBEATER SIMMONS of 201 High Street, Stoke Newington, London, in the County of Middlesex and EBENEZER ALBERT SIMMONS of 61 Bayston Road Stoke Newington in the County of Middlesex, Carpenters do hereby declare the nature of this invention and in what manner the same is to be performed, to be
5 particularly described and ascertained in and by the following statement:—

This apparatus consists of a Box or tank with a metal lining which contains the disinfecting fluid. In this box or tank are fixed levers attached to a hollow vessel or tube, one end of which is hinged at the bottom of the box or tank and which communicates by means of a valve with a discharge pipe outside the box, in connection
10 with the water closet or other convenience to be disinfected.

These levers are actuated by a handle which is outside the box, and which upon being turned moves the levers and raises the hollow vessel or tube into an oblique or vertical position opening at the same time the valve at the base of the hollow vessel or tube and thus is discharged into the pipe beyond a fixed quantity of liquid which
15 the said hollow vessel or tube will hold. At the end of the lever attached to the hollow vessel or tube is a projecting stop to prevent the hollow vessel or tube passing an oblique or vertical position.

When the handle is released it returns to its normal position by means of a weight attached to a lever in connection with the hollow vessel or tube, this hollow vessel or
20 tube then falls into its original horizontal position at the bottom of the box, at the same time closing the valve and preventing any further outlet, and is thereby refilled with disinfecting fluid for the next discharge.

In order that the nature of my said improvements may be the more fully understood I will proceed to describe the several figures on the sheet of drawings hereunto
25 annexed, all of which figures are marked with the like letters of reference throughout.

Figure 1. is a section taken longitudinally shewing the Box or tank which holds the disinfecting fluid, when the mechanism is in its normal position and the valve at the base of tube is closed, in which A. A. is the Box or tank. B. is the hollow vessel or tube. C and C¹ are the levers for raising the hollow vessel or tube. D is the

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weighted lever which assists in returning the hinged tube B. back to its horizontal position at the bottom of the box or tank. E is the centre or axle which is integral with and forms part of the handle H and the levers C and D. and which works on the bearing at K and L. F is the valve by the opening or closing of which the disinfecting fluid is allowed to pass into the pipe G. which leads to and is in connection 5 with the water closet or other convenience to be disinfected—The valve is opened and shut by the raising or lowering of the tube B in exactly the same way as an ordinary tap. The dotted line shews the handle H. which is outside the box and by means of which the mechanism in the box or tank is worked.

Figure 2. is a long section shewing the mechanism when the hollow vessel or tube B. 10 is raised to discharge its contents through the now open valve F into the pipe G. beyond.—M being the projecting stop to prevent the hollow vessel or tube from passing a vertical position.

Figure 3. is a plan looking down into the box or tank when the tube B. is in its horizontal position and the valve F. is shut. 15

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed I declare that what I claim is:—

(1.) A hollow vessel or tube contained in a box holding, disinfecting fluid, hinged at its base in conjunction with a valve, and which hollow vessel or tube being raised to a vertical position by means of levers attached to a handle opens the valve at the base of 20 the said hollow vessel or tube and allows the discharge of as much disinfecting fluid as the said hollow vessel or tube contains.

(2.) A lever with a weight attached in connection with the handle and hollow vessel or tube and which compels the hollow vessel or tube to return to its horizontal position at the bottom of the box or tank containing the disinfecting fluid for refilling 25 the same, and also ensures the return of the handle to its normal position.

Dated this 22nd day of May 1888.

HUGHES & COMPANY,
38, Chancery Lane,
Agents for the Applicants. 30

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(1 SHEET)

[This Drawing is a full-size reproduction of the Original.]

Fig: 1.

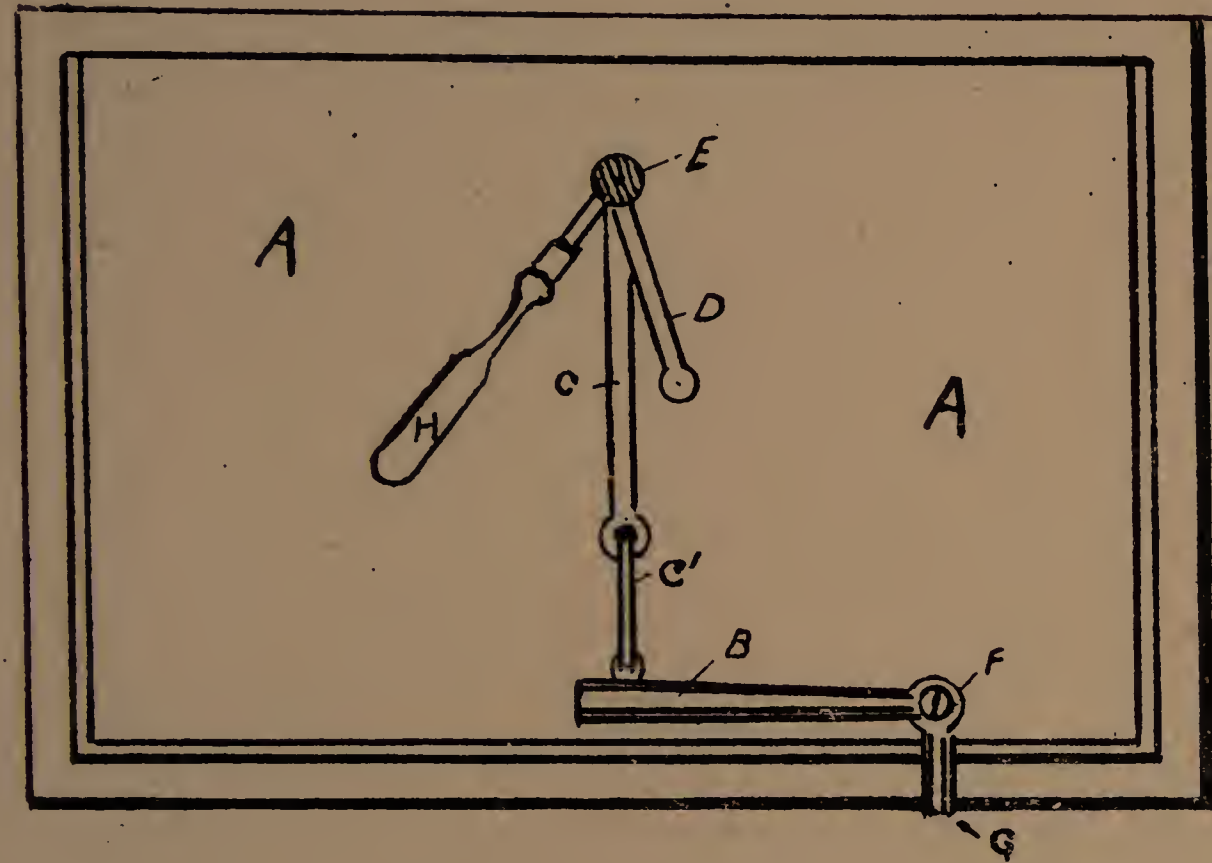


Fig: 2.

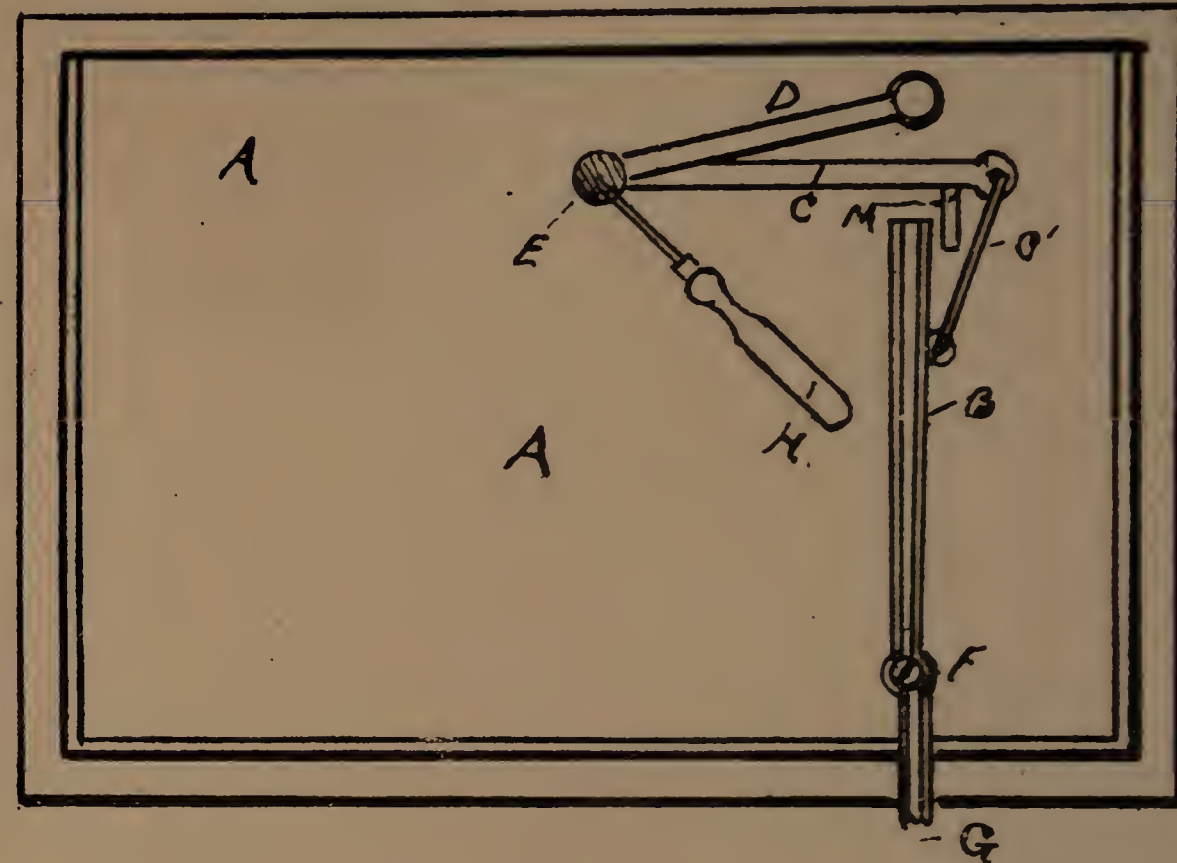


Fig: 3.

